

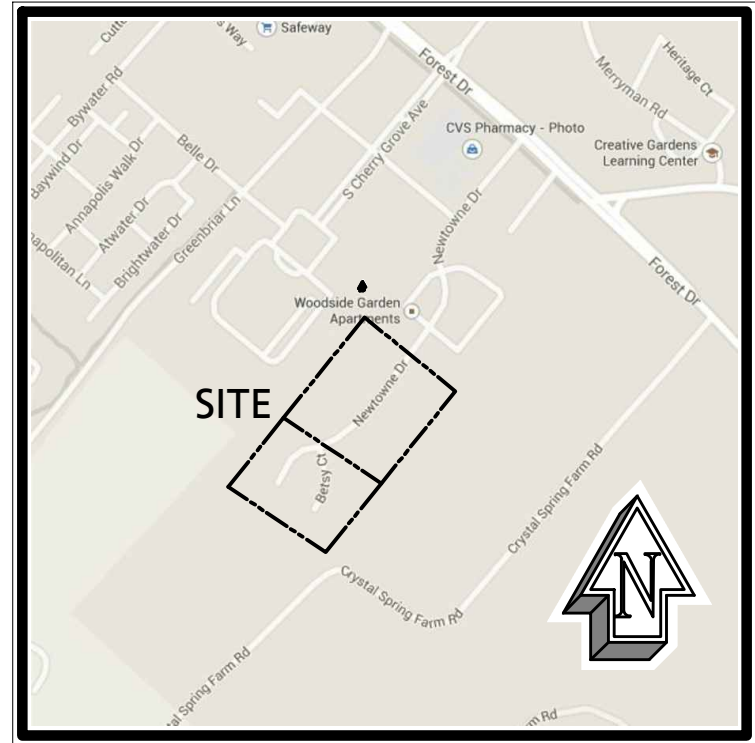
PLOTTED: Apr 24, 2015 - 12:07pm
INCLUDED XREFS & IMAGES: 24X36.dwg TOPOMAP.dwg 15-5155 NEWTOWN20-FORESTDRAIN-BASE.dwg VMAP.dwg PITCHFORD.SIG.tif PITCHFORD.LOGO.jpg PITCHFORD.SEA.tif UTILITY MAP 1.tif UTILITY MAP 2.tif UTILITY MAP 3.tif VMAP.jpg

FOREST STAND DELINEATION PLANS
OF THE
NEWTOWNE 20
WOODSIDE GARDEN APARTMENTS

TAX MAP 51E, GRID 17, PARCELS 2253 AND 2354
NEWTOWNE DRIVE

ANNAPOLIS, MARYLAND, 21401

SIXTH DISTRICT ANNE ARUNDEL COUNTY ZONED R3



VICINITY MAP
SCALE: 1"=2000'
MAP DATA © 2015 GOOGLE

NATURAL RESOURCES INVENTORY /
FOREST STAND DELINEATION

I. METHODOLOGY AND APPROACH

TO COMMENCE THE FIELD REVIEW PORTION OF THE NRI, PITCHFORD ASSOCIATES (PA) PERSONNEL, KEITH PITCHFORD, CAROL HERWIG AND CURT CANADA, WALKED THE SITE ON MARCH 11 AND 12, 2015 TO OBSERVE AND CHARACTERIZE THE WOODY VEGETATION BY SPECIES COMPOSITION. PA PERSONNEL DID NOT IDENTIFY ANY FOREST STANDS ON THE PROPERTY. PA PERSONNEL ALSO SURVEYED THE PROPERTY FOR ANY INDICATIONS THAT WETLANDS MAY EXIST. IT WAS DETERMINED FROM THIS SIGHT SURVEY THAT NO SUCH CONDITIONS EXISTED.

A STORMWATER OUTFLOW FEATURE DOES EXIST AT THE EXTREME NORTHWESTERN CORNER OF THIS PROPERTY. THIS APPEARS TO BE AN OLD SYSTEM OF LARGE DIAMETER CONCRETE PIPES THAT FLOW INTO A CULVERT. THE CULVERT BANKS ARE WOODED, BUT DEGRADED. THERE ARE NO INDICATIONS OF ANY WETLAND INDICATORS WITHIN THE PROPERTY BOUNDARIES, AND THE AREA OF THIS FEATURE.

TREES WITH A DBH OF 4" AND GREATER WERE MEASURED WITH A DBH TAPE. EACH TREE WAS IDENTIFIED BY COMMON AND SCIENTIFIC NAME, AND GIVEN A CONDITION RATING OF GOOD, FAIR OR POOR. A 1.25" ROUND, ALUMINUM TAG WAS NAILED TO EACH TREE USING AN ALUMINUM NAIL. TAGS WERE NUMBERED 1-244. A TOTAL OF 244 TREES WERE IDENTIFIED AS DESCRIBED, AND LISTED IN A SPREADSHEET INCLUDING ON-SITE AND OFF-SITE TREES. A TOTAL OF 123 TREES WERE IDENTIFIED ON-SITE, AND 121 WERE IDENTIFIED AS OFF-SITE. ALL TREES WERE SURVEYED LOCATED BY BAY ENGINEERING, INC. OF ANNAPOLIS, MD.

II. EXISTING CONDITIONS

THE SUBJECT SITE ENCOMPASSES APPROXIMATELY 15.5 ACRES AND IS LISTED AS TAX MAP 51E, GRID 17, PARCELS 2253 AND 2354, NEWTOWNE DRIVE, ANNAPOLIS, MD. THE ENTIRE LOT IS COMPRISED OF RESIDENTIAL APARTMENT COMPLEXES AND LANDSCAPE FEATURES. THERE ARE FORESTED STANDS ON THE NORTHERN, WESTERN AND SOUTHERN PROPERTY LINES. THE FORESTED AREA ALONG THE NORTHERN PROPERTY LINE IS IN A DEDICATED CONSERVATION EASEMENT WITH THE CITY OF ANNAPOLIS.

III. RETENTION POTENTIAL

THERE ARE FEW TREES WITHIN THE INTERIOR OF THE PROPERTY THAT HAVE A HIGH RETENTION POTENTIAL. HOWEVER, THERE ARE SEVERAL TREES ALONG THE THREE PROPERTY BOUNDARIES WITH SOME RETENTION POTENTIAL. THESE ARE DRAWN OUT IN THE ACCOMPANYING SPREADSHEET.

IV. SURVEYED TREES

A SPREADSHEET OF 244 TREES IS ATTACHED TO THIS REPORT. TREES HAVE BEEN TAGGED AND GIVEN A RATING OF GOOD, FAIR OR POOR.

V. RARE, THREATENED AND ENDANGERED SPECIES

DURING THE FIELDWORK ASSOCIATED WITH COMPLETING THIS NRI-FSD NO RARE, THREATENED, OR ENDANGERED SPECIES WERE OBSERVED ON THE SUBJECT PROPERTY. NEVERTHELESS, AN INQUIRY HAS BEEN SENT TO THE MARYLAND DEPARTMENT OF NATURAL RESOURCES REGARDING ANY RECORDS OF STATE OR FEDERAL LISTED RARE, THREATENED OR ENDANGERED SPECIES WITHIN THE BOUNDARIES OF THIS SITE.

VI. WATER FEATURES

THE SUBJECT SITE IS LOCATED OUTSIDE OF THE CHESAPEAKE BAY CRITICAL AREA. THE SITE SLOPES STEEPLY TO THE UNNAMED STREAM WHICH IS LOCATED BEYOND THE PROPERTY BOUNDARIES AND IS WELL DRAINED. NO WETLANDS WERE OBSERVED ON THE SITE, NOR ARE ANY LISTED IN THE NATIONAL WETLAND INVENTORY.

VII. SOIL TYPES

AUB - ANNAPOLIS-URBAN LAND COMPLEX, 0-5% SLOPES
WELL DRAINED, FINE SANDY LOAM SOIL. HUMAN TRANSPORTED MATERIAL. IT IS IN A VERY HIGH RUNOFF CLASS. THIS SOIL TYPE COMPRISES 9.9% OF THE SITE.

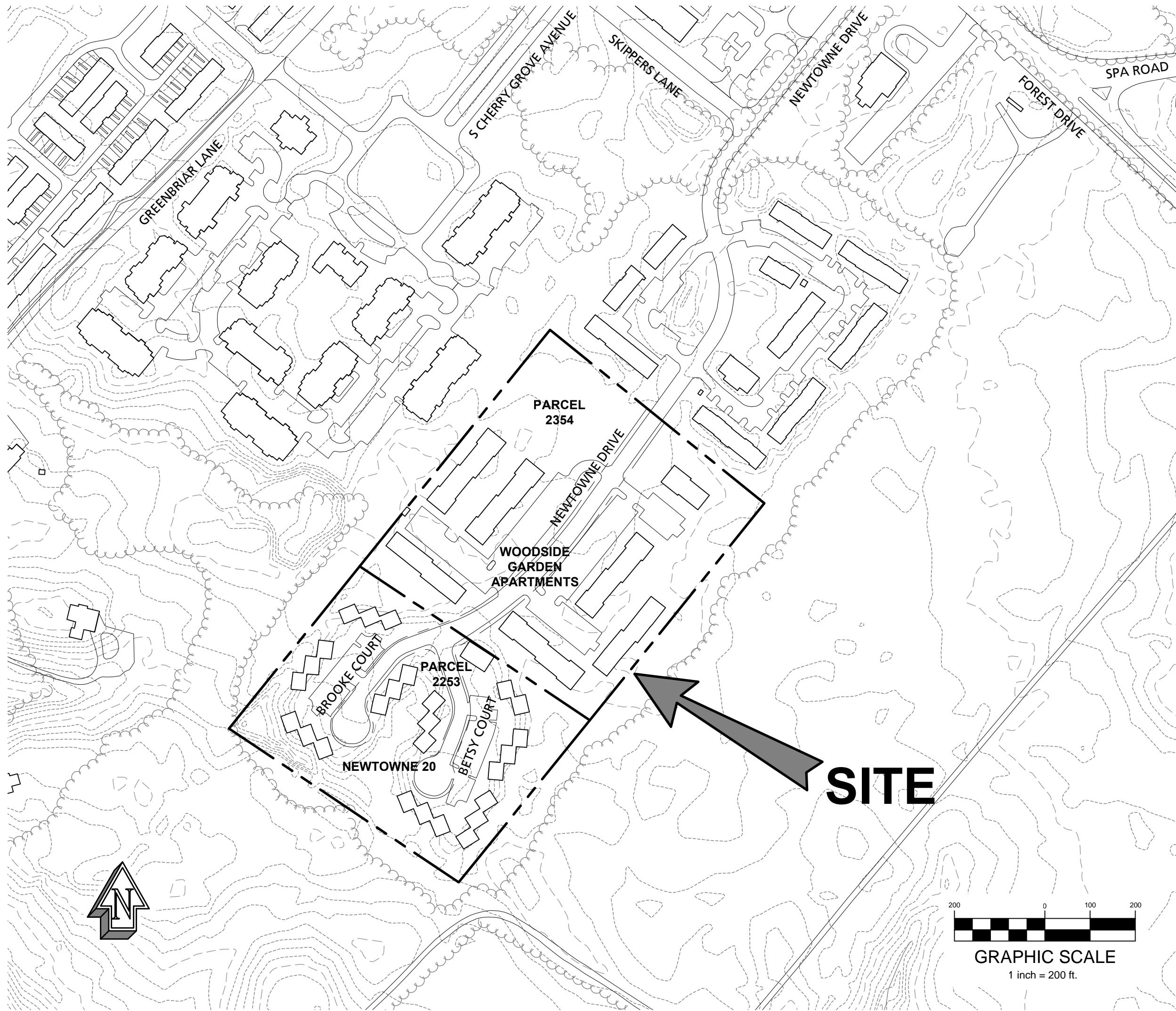
DUB - DONLONTON-URBAN LAND COMPLEX, 0-5% SLOPES
THIS SOIL IS FOUND IN DRAINAGEWAYS AND SWALES. IT IS A FINE, SANDY LOAM SOIL WITH A SANDY CLAY LOAM FOUNDATION. IT IS NOT CONSIDER PRIME FARMLAND. IT IS A MODERATELY WELL DRAINED SOIL, AND IN A VERY HIGH RUNOFF CLASS. THIS SOIL TYPE COMPRISES 2.3% OF THE SITE.

DNA - DONLONTON FMD SANDY LOAM, 0-2% SLOPES
THIS SOIL IS FOUND IN DRAINAGEWAYS, SWALES AND DRAINHEAD COMPLEXES. ALL AREAS ARE CONSIDERED TO BE PRIME FARMLAND. IT IS A FINE SANDY LOAM, WITH A SANDY CLAY LOAM FOUNDATION. IT IS A MODERATELY WELL DRAINED SOIL. THIS SOIL COMPRISES 0.7% OF THE SITE.

AOB - ANNAPOLIS LOAMY SAND, 2-5% SLOPES
THIS SOIL IS FOUND IN BROAD INTERSTREAM DIVIDES. IT IS A WELL-DRAINED LOAMY SAND SOIL, WITH CHANNERY SANDY CLAY LOAM AS A FOUNDATION. ALL AREAS ARE PRIME FARMLAND. IT COMPRISES 0.5% OF THE SITE.

CKA - COLEMAN FINE SANDY LOAM, 0-2% SLOPES
THIS SOIL APPEARS IN DEPRESSIONS, DRAINAGEWAYS AND SWALES. IT IS A POORLY DRAINED SOIL COMPRISED OF A FINE SAND LOAM "A" LAYER, AND A LOAMY FINE SAND FOUNDATION. IT IS NOT PRIME FARMLAND, AND COMPRISES JUST 0.2% OF THE SITE.

TSB - TINTON LOAMY SAND, 2-5% SLOPES
THIS IS A DEEP SOIL THAT IS WELL DRAINED. THE "A" LAYER IS A FINE SANDY LOAM WITH A SANDY LOAM FOUNDATION. THESE SOILS ARE TYPICALLY ASSOCIATED WITH WOODLANDS THAT SUPPORT OAK, POPLAR, BEECH AND AN UNDERSTORY OF HOLLY AND DOGWOOD. THEY COMPRISE JUST 0.1% OF THE SITE



LOCATION MAP
SCALE: 1"=200'

GENERAL NOTES

- A. TOTAL SITE AREA: 15.46 ACRES ±
B. TOTAL FOREST AREA: 0 ACRES ±
C. TOTAL FLOODPLAIN AREA: 0 ACRES ±
D. NO RARE, THREATENED, OR ENDANGERED SPECIES ARE KNOWN TO EXIST ON THE PROPERTY AND NONE WERE OBSERVED DURING THE SITE VISIT.
E. NO KNOWN HISTORIC STRUCTURES ARE LOCATED ON THE PROPERTY.
F. THE FOREST STAND DELINEATION FIELD WORK WAS CONDUCTED BY PITCHFORD ASSOCIATES IN MARCH, 2015.
G. TWO (2) SPECIMEN TREES EXIST ON OR WITHIN CLOSE PROXIMITY TO THE PROPERTY LINE AND THEIR SURVEYED LOCATIONS ARE DENOTED ON THE PLAN.
H. THE PROPERTY DESCRIBED HEREON IS LOCATED IN THE FLOOD HAZARD ZONE "X" (AREAS OF MINIMAL FLOODING) AS DELINEATED ON THE FIRM FLOOD INSURANCE MAP #24003C0234F DATED FEBRUARY 18, 2015 FOR SAID COUNTY AND DISTRIBUTED BY THE FEDERAL EMERGENCY MANAGEMENT FACILITY.

SITE LEGEND

- PROPERTY LINE
EXISTING CONTOUR
EXISTING FOREST
EXISTING SOILS BOUNDARY
EXISTING SOILS DESIGNATION
EXISTING STORM DRAIN
EXISTING ZONING BOUNDARY
EXISTING ZONING DESIGNATION
EXISTING A.A. COUNTY / CITY OF ANNAPOLIS DIVISION
EXISTING SLOPES 15% AND GREATER
EXISTING SURVEYED TREE (GOOD CONDITION)
EXISTING SURVEYED TREE (FAIR CONDITION)
EXISTING SURVEYED TREE (POOR CONDITION)
EXISTING SURVEYED TREE (DEAD CONDITION)
EXISTING SPECIMEN TREE
EXISTING TREE CRITICAL ROOT ZONE

DRAWING INDEX

- 1 OF 3
2 OF 3
3 OF 3
- FOREST STAND DELINEATION COVER SHEET
..... FOREST STAND DELINEATION PLAN
..... FOREST STAND DELINEATION TREE LIST

MAP UNIT SYMBOL	MAP UNIT NAME	HYDRIC RATING
AoB	ANNAPOLIS LOAMY SAND, 2% TO 5% SLOPES	NO
AuB	ANNAPOLIS URBAN LAND COMPLEX, 0 TO 5% SLOPES	NO
CKA	COLEMAN TOWN FINE SANDY LOAM, 0 TO 2% SLOPES	PARTIALLY
DNA	DONLONTON FINE SANDY LOAM, 0 TO 2% SLOPES	PARTIALLY
DuB	DONLONTON URBAN LAND COMPLEX, 0 TO 5% SLOPES	NO
TsB	TINTON LOAMY SAND, 2% TO 5% SLOPES	NO
WBA	WIDEWATER AND ISSUE SOILS, 0 TO 2% SLOPES, FREQUENTLY FLOODED	-

DRAINAGE CLASS	HYDROLOGICAL SOIL GROUP	K-FACTOR WHOLE SOIL
WELL DRAINED	C	0.17
WELL DRAINED	C	0.24
POORLY DRAINED	C / D	0.17
MODERATELY WELL DRAINED	D	0.24
MODERATELY WELL DRAINED	D	0.24
WELL DRAINED	A	0.10
POORLY DRAINED	C / D	0.37

SOURCE: <http://websoilsurvey.nrcs.usda.gov> (JANUARY, 2015)

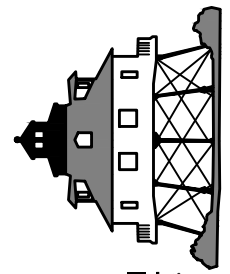
MAPPED SOIL TYPES



FOREST STAND DELINEATION
PLAN CERTIFIED BY:
Keith Pitchford 4-24-15
KEITH PITCHFORD DATE
MD. FORESTER #675 ASA #MA-0178A
PITCHFORD ASSOCIATES
QUALIFIED PROFESSIONAL PER
(COMAR 08.19.06.01)



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Date
APRIL, 2015
Job Number
15-5155
Scale
AS SHOWN
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L.S.
Approved By
T.S.
Folder Reference
ARCADIA GROUP WOODSIDE
NEWTOWNE TWENTY

FOREST STAND DELINEATION COVER SHEET
OF THE
NEWTOWNE 20
WOODSIDE GARDEN REDEVELOPMENT
TAX MAP 51E, GRID 17, PARCELS 2253 AND 2354
NEWTOWNE DRIVE
ANNAPOLIS, MARYLAND, 21401
SIXTH DISTRICT ANNE ARUNDEL COUNTY ZONED R3

Sheet No. 1 OF 3

F:\15-5155 Arcadia Group Woodside Newtowne Twenty\Drawing Files\Forest Stand Plans\15-5155 NEWTOWN20-FORESTDRAIN-FOREST STAND PLANS.dwg